

PTO/SB/08a (07-09)

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Complete if Known		
			Application Number	10/021,621-Conf. #5221	
			Filing Date	December 12, 2001	
			First Named Inventor	Eric J. Horvitz	
			Art Unit	2444	
			Examiner Name	P. A. Shaw	
Sheet	1	of	12	Attorney Docket Number	M1103.70715US00

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1*	US-D494,584	08-17-2004	Schlieffers et al.	
	A2*	US-7,385,501	06-10-2008	Miller et al.	
	A3*	US-7,259,694	08-21-2007	Myllymaki et al.	
	A4*	US-7,209,955	04-24-2007	Major et al.	
	A5*	US-7,195,157	03-27-2007	Swartz et al.	
	A6*	US-7,171,378	01-30-2007	Petrovich et al.	
	A7*	US-7,162,238	01-09-2007	Massie et al.	
	A8*	US-7,155,729	12-26-2006	Andrew et al.	
	A9*	US-7,139,718	11-21-2006	Jeyachandran et al.	
	A10*	US-7,073,129	07-04-2006	Robarts et al.	
	A11*	US-7,069,309	06-27-2006	Dodrill et al.	
	A12*	US-7,063,263	06-20-2006	Swartz et al.	
	A13*	US-7,040,541	05-09-2006	Swartz et al.	
	A14*	US-7,016,944	03-21-2006	Meyer et al.	
	A15*	US-7,010,501	03-07-2006	Roslak et al.	
	A16*	US-6,965,917	11-15-2005	Aloni et al.	
	A17*	US-6,853,634	02-08-2005	Davies et al.	
	A18*	US-6,837,436	01-04-2005	Swartz et al.	
	A19*	US-6,829,639	12-07-2004	Lawson et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1	EP-0095633-A1	12-07-1983	Iveco Magirus		✓
	B2	EP-0413537-A2	02-20-1991	Digital Equipment Int		
	B3	EP-0420779-A2	04-03-1991	Ibm		
	B4	EP-0867823-A2	09-30-1998	Canon Kk		
	B5	EP-0905633-A2	03-31-1999	Sharp Kk		
	B6	GB-2328110-A	02-10-1999	Mitel Corp		

Examiner Signature	/Peling Shaw/	Date Considered	07/12/2010
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		Number-Kind Code ² (if known)			
	A20*	US-6,796,505	09-28-2004	Pellaumail et al.	
	A21*	US-6,741,188	05-25-2004	Miller et al.	
	A22*	US-6,714,967	03-30-2004	Horvitz	
	A23*	US-6,697,840	02-24-2004	Godefroid et al.	
	A24*	US-6,678,719	01-13-2004	Stimmel	
	A25*	US-6,674,720	01-06-2004	Passint et al.	
	A26*	US-6,672,506	01-06-2004	Swartz et al.	
	A27*	US-6,650,902	11-18-2003	Richton	
	A28*	US-6,622,160	09-16-2003	Horvitz	
	A29*	US-6,618,716	09-09-2003	Horvitz	
	A30*	US-6,593,943	07-15-2003	MacPhail	
	A31*	US-6,591,279	07-08-2003	Emens et al.	
	A32*	US-6,590,587	07-08-2003	Wichelman et al.	
	A33*	US-6,584,502	06-24-2003	Natarajan et al.	
	A34*	US-6,577,329	06-10-2003	Flickner et al.	
	A35*	US-6,563,514	05-13-2003	Samar	
	A36*	US-6,549,219	04-15-2003	Selker	
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	A38*	US-6,480,207	11-12-2002	Bates et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B7	JP-08314827-A	11-29-1996	Hitachi Ltd		✓
	B8	JP-10079756-A	03-24-1998	Fujitsu Ltd		✓
	B9	WO-0036493-A1	06-22-2000	Tangis Corp et al.		
	B10	WO-02065250-A2	08-22-2002	Invertix Corp		
	B11	WO-0239761-A2	05-16-2002	Motorola Inc		
	B12	WO-2004025912-A2	03-25-2004	Ibm et al.		

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	A39*	US-6,463,471	10-08-2002	Dreke et al.	
	A40*	US-6,459,913	10-01-2002	Cloutier	
	A41*	US-6,459,440	10-01-2002	Monnes et al.	
	A42*	US-6,456,307	09-24-2002	Bates et al.	
	A43*	US-6,438,618	08-20-2002	Lortz et al.	
	A44*	US-6,437,812	08-20-2002	Giles et al.	
	A45*	US-6,425,127	07-23-2002	Bates et al.	
	A46*	US-6,400,810	06-04-2002	Skladman et al.	
	A47*	US-6,374,289	04-16-2002	Delaney et al.	
	A48*	US-6,360,101	03-19-2002	Irvin	
	A49*	US-6,353,398	03-05-2002	Amin et al.	
	A50*	US-6,342,908	01-29-2002	Bates et al.	
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	A53*	US-6,327,581	12-04-2001	Platt	
	A54*	US-6,301,609	10-09-2001	Aravamudan et al.	
	A55*	US-6,289,380	09-11-2001	Battat et al.	
	A56*	US-6,262,730	07-17-2001	Horvitz et al.	
	A57*	US-6,256,664	07-03-2001	Donoho et al.	

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	B13	WO-9635994-A1	11-14-1996	Compuserve Inc		
	B14	WO-9738382-A1	10-16-1997	Siemens Ag et al.		
	B15	WO-9800787-A1	01-08-1998	Datalink Systems Corp		
	B16	WO-9837680-A2	08-27-1998	Intervoice Lp		
	B17	WO-9847268-A1	10-22-1998	British Telecomm et al.		
	B18	WO-9858321-A1	12-23-1998	Purdue Pharma Lp et al.		

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				Art Unit	2444
				Examiner Name	P. A. Shaw
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		Number-Kind Code ² (if known)			
	A58*	US-6,199,106	03-06-2001	Shaw et al.	
	A59*	US-6,167,448	12-26-2000	Hemphill et al.	
	A60*	US-6,144,363	11-07-2000	Alloul et al.	
	A61*	US-6,094,681	07-25-2000	Shaffer et al.	
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	A63*	US-6,067,565	05-23-2000	Horvitz	
	A64*	US-6,067,477	05-23-2000	Wewalaarachchi et al.	
	A65*	US-6,057,842	05-02-2000	Knowlton et al.	
	A66*	US-6,055,505	04-25-2000	Elston	
	A67*	US-6,021,403	02-01-2000	Horvitz et al.	
	A68*	US-5,987,234	11-16-1999	Hirosawa et al.	
	A69*	US-5,973,612	10-26-1999	Deo et al.	
	A70*	US-5,928,330	07-27-1999	Goetz et al.	
	A71*	US-5,864,848	01-26-1999	Horvitz et al.	
	A72*	US-5,859,640	01-12-1999	de Judicibus	
	A73*	US-5,852,440	12-22-1998	Grossman et al.	
	A74*	US-5,831,545	11-03-1998	Murray et al.	
	A75*	US-5,784,124	07-21-1998	D'Alitalia et al.	
	A76*	US-5,767,852	06-16-1998	Keller et al.	

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	B19	WO-9906915-A1	02-11-1999	Jfax Communications Inc		
	B20	WO-9941720-A1	08-19-1999	Genesys Telecomm Lab Inc		
	B21	WO-9967731-A1	12-29-1999	Microsoft Corp		

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	A80*	US-5,742,905	04-21-1998	Pepe et al.	
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	A89*	US-5,377,354	12-27-1994	Scannell et al.	
	A90*	US-4,789,962	12-06-1988	Berry et al.	
	A91*	US-2008-0161018	07-03-2008	Miller et al.	
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	A96*	US-2006-0019676	01-26-2006	Miller et al.	
	A97*	US-2005-0272442	12-08-2005	Miller et al.	
	A98*	US-2005-0266858	12-01-2005	Miller et al.	
	A99*	US-2005-0248437	11-10-2005	Hellebust et al.	
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	A103*	US-2004-0199663	10-07-2004	Horvitz et al.	
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	A112*	US-2002-0171581	11-21-2002	Sheynblat et al.	
	A113*	US-2002-0087649	07-04-2002	Horvitz	
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				Filing Date	December 12, 2001
				First Named Inventor	Eric J. Horvitz
				Art Unit	2444
				Examiner Name	P. A. Shaw
Sheet	8	of	12	Attorney Docket Number	M1103.70715US00

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	C1	BACLACE, "Competitive Agents for Information Filtering", December 1999, 1 pg	
	C2	BOONE, "Concept Features in Re: Agent, an Intellectual Email Agent, 1998, 8 pgs	
	C3	BREESE et al., "Empirical analysis of predictive algorithms for collaborative filtering", Proceedings of the 14th Conference on Uncertainty in AI, 1998 pg. 43-52, AUAI, Morgan Kaufmann, San Francisco	
	C4	CAMERON et al. "Identifying and Localizing Electrical Components: A Case Study of Adaptive Goal-directed Sensing", 1997, 6 pgs.	
	C5	CHANG et al., "Bayesian Analysis for Fault Location in Homogeneous Distributed Systems", 1993, 10 pgs	
	C6	CHEN, "Visualising semantic spaces and author co-citation networks in digital libraries", 1999, 20 pgs.	
	C7	CHU et al., "A Decision-Theoretic Approach to Reliable Message Delivery", 15 pgs	
	C8	COHEN, "Learning Rules that Classify E-Mail", 1996, 11 pgs	
	C9	CZERWINSKI et al., "Visualizing implicit queries for information management and retrieval", Proceedings of CHI'99, ACM SIGCHI Conf on Informational and Knowledge Management, 1999, pg. 560-567	
	C10	DUMAIS et al., "Inductive learning algorithms and representations for text categorization", Proceedings of 7th Intl Conf on Information and Knowledge Management, 1998, pgs 148-155	

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	C11	EP Search Report dtd 7/5/04 for EP Application No. 04 00 0621	
	C12	EP Search Report dtd 9/28/05 for EP Application No. 05 10 5299	
	C13	HADDAWY, "An Overview of Some Recent Developments in Bayesian Problem-Solving Techniques Introduction to This Special Issue", 1999, 9 pgs	
	C14	HEARST et al., "Machine Learning in Information Access Papers from the 1996 AAAI Spring Symposium", 1996, 3 pgs	
	C15	HORVITZ et al., "Display of Information for time-critical decision making" Proceedings of the 11th Conference on uncertainty in AI, 1995, pg. 296-305, Montreal, Canada	
	C16	HORVITZ et al., "Models of Attention in Computing and Communication: From principles to Applications", Communications to the ACM 46(3):56-29, March 2003	
	C17	HORVITZ, "Principles of mixed-initiative user interfaces" Proceedings of CHI'99, ACM SIGCHI Conf on Human Factors in Computing Systems, 1999, pgs. 159-166, Pittsburgh, PA	
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	C20	International Search Report dated August 20, 2002 for International Application Serial No. PCT/US01/08711	

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	C21	International Search Report dated June 28, 2006 for International Application Serial No. PCT/US04/19915	
	C22	International Search Report dated September 2, 2002 for International Application Serial No. PCT/US01/08710	
	C23	International Search Report dated September 29, 2003 for International Application Serial No. PCT/US00/20685	
	C24	IWAYAMA et al., "Hierarchical Bayesian Clustering for Automatic Text Classification", 1995, 6 pgs.	
	C25	JENSEN, "Bayesian networks basics", Winter 1995/ Spring 1996, 14 pgs.	
	C26	KOLLER et al., "Toward optimal feature selection", Proceedings of 13th conference on machine learning, 1998, pg. 284-293, Morgan Kaufmann, San Francisco	
	C27	LEIBERMAN, "Letizia: An Agent that assists web browsing", Proceedings of IJCAI-95, 1995, 6 pgs, Montreal, Canada, Morgan Kaufmann, San Francisco	
	C28	MACSKASSY et al., "EmailValet: Learning Email Preferences for Wireless Platforms", Rutgers University, user Modeling 1999 Workshop - Machine Learning for User Modeling, June 3, 1999, 4 pgs	
	C29	MCCRICKARD et al., "Attuning Notification Design to User Goals and Attention Costs" Communications of the ACM, vol. 46 Issue 3, pp. 67-72, 2003	
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	C31	PALME et al., "Issues when designing filters in messaging systems", 1996, 7 pgs	
	C32	PLATT, "Fast Training of Support Vector Machines Using Sequential Minimal Optimization", Advances in Kernel Methods, Support Vector Learning, 1999 pg. 41-65, MIT Press, Cambridge, MA.	
	C33	PLATT, "Probabilistic outputs for support vector machines and comparisons to regularized likelihood methods." Advances in Large Margin Classifiers. MIT Press, Cambridge, MA. 1999, 11 pages.	
	C34	SAHAMI et al., "A Bayesian approach to filtering junk email" Workshop on learning for text categorizations, 1998, 8 pgs, AAI technical Report WS-98-05, AAAI	
	C35	SAWHNEY et al., "Nomadic Radio: Speech and Audio Interaction for Contextual Messaging in Nomadic Environments", ACM Transactions on Computer-Human Interaction, ACM, September 1, 2000, pp. 353-383	
	C36	SAWHNEY et al., "Speaking and Listening on the Run: Design for Wearable Audio Computing", 1998, 8 pgs	
	C37	SEHGMANN et al., "The message is the medium", 1997, 12 pgs.	
	C38	SHELL et al., "Interacting with Groups of Computers", Communications of the ACM, Vol 46 Issue 3, pp. 40-46, 2003	
	C39	TSATSOULIS et al., "integrating Case-Based Reasoning and Decision Theory", 1997, 10 pgs	
	C40	VAN DANTZICH et al., "Scope: Providing Awareness of Multiple Notifications at a Glance", Proceedings of AVI 2002, ACM Conference on Advanced Visual Interfaces, 2002, 11 pgs	

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	C41	VERTEGAAL, "Designing Attentive Interfaces", Proceedings of the Symposium on ETRA 2002: Eye tracking research and applications symposium, pp. 23-30, 2002.	

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